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**From:** MacDonald, Alex@Waterboards [Alex.MacDonald@waterboards.ca.gov]  
**Sent:** 7/16/2019 5:52:41 PM  
**To:** Keller, Lynn [Keller.Lynn@epa.gov]  
**Subject:** RE: [EXTERNAL] RE: Area 40 Pre-Remedy Ambient Air Sampling

Thanks Lynn. It would be good if we could utilize another lab for analysis of the air samples. This is good for two reasons – I think our lab would use the same lab as Aerojet for analysis and secondly it would not use up any of our precious lab funds (Aerojet would reimburse but not until much later and the money does not go back directly into our lab budget). Would only need to get the Radiello samplers and I think that can be done.

Alex

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**From:** Keller, Lynn <Keller.Lynn@epa.gov>  
**Sent:** Monday, July 15, 2019 5:40 PM  
**To:** Fennessy, Christopher <christopher.fennessy@Rocket.com>  
**Cc:** MacDonald, Alex@Waterboards <Alex.MacDonald@waterboards.ca.gov>; MacNicholl, Peter@DTSC <Peter.MacNicholl@dtsc.ca.gov>  
**Subject:** Re: [EXTERNAL] RE: Area 40 Pre-Remedy Ambient Air Sampling

Hello and thanks, Alex. We usually shoot for 20% biased toward the presumed highest contamination area and the areas near future receptors. Let me know if you need help from either Jacobs (aka Ch2M) or the EPA lab for analysis. Having a weather station and data logger in the sampling area was also important as you all likely recall.

Thanks,  
Lynn

Lynn Keller  
Emergency Response Manager  
EPA Region 9  
415-947-4162

On Jul 15, 2019, at 16:57, Fennessy, Christopher <[christopher.fennessy@Rocket.com](mailto:christopher.fennessy@Rocket.com)> wrote:

Ok. I am ok with you having your contract lab perform the analysis as an independent check. You will need to order 14-day Radiello passive air samplers.

**Christopher M. Fennessy, P.E.**  
**Aerojet Rocketdyne, Inc.**  
Engineering Manager, Site Remediation  
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Ph: 916-355-3341  
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**From:** MacDonald, Alex@Waterboards [<mailto:Alex.MacDonald@waterboards.ca.gov>]  
**Sent:** Monday, July 15, 2019 12:02 PM  
**To:** Fennessy, Christopher; Keller, Lynn ([Keller.Lynn@epa.gov](mailto:Keller.Lynn@epa.gov)); MacNicholl, Peter@DTSC  
**Subject:** [EXTERNAL] RE: Area 40 Pre-Remedy Ambient Air Sampling

Chris: Lynn had approached me awhile back to have me collect duplicate/split samples from Area 40 as part of the remedial action. I have established analysis for soil vapor sampling through our contract lab. If Aerojet would prefer to set up a separate lab contract for vapor samples instead of us adding on the cost in our annual bill. I figure we I can use my CLS contract for any duplicate soil samples I would collect. If Lynn could give an idea of how many samples she would like, I can plan on making that happen. I have staff available to assist in collecting samples.

Alex

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**From:** Fennessy, Christopher <[christopher.fennessy@Rocket.com](mailto:christopher.fennessy@Rocket.com)>  
**Sent:** Monday, July 15, 2019 11:43 AM  
**To:** Keller, Lynn ([Keller.Lynn@epa.gov](mailto:Keller.Lynn@epa.gov)) <[Keller.Lynn@epa.gov](mailto:Keller.Lynn@epa.gov)>; MacNicholl, Peter@DTSC <[Peter.MacNicholl@dtsc.ca.gov](mailto:Peter.MacNicholl@dtsc.ca.gov)>; MacDonald, Alex@Waterboards <[Alex.MacDonald@waterboards.ca.gov](mailto:Alex.MacDonald@waterboards.ca.gov)>  
**Subject:** Area 40 Pre-Remedy Ambient Air Sampling

Hi Everyone – AR is planning on collecting 14-day ambient air samples at Area 40 from 15 locations at two different heights (2 feet and 4 feet above ground level) in early August. This data will be used as baseline summer ambient air conditions to evaluate remedy effectiveness. Would the Agencies like to collect duplicate samples? AR will collect the appropriate number of QA/QC samples in accordance with its QAPP.

Chris

**Christopher M. Fennessy, P.E.**  
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